ACCESS DB # _____

PLEASE PRINT CLEARLY

Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: __Thomas S. Heard__ Examiner # : __80541__ Date: __1/30/06__

Art Unit: __1654__ Phone Number: __2-2064__ Serial Number: __10/825,693__

Location (Bldg/Room#): __3B21__ (Mailbox #): __3C18__ Results Format Preferred (circle): (PAPER) DISK

****

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: __Macrocyclic Isoquinoline Inhibitors of Hepatitis C Virus__

Inventors (please provide full names): __See attached Bib Data Sheet__

Earliest Priority Date: __See attached Bib Data Sheet__

Search Topic:
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please search the generic compound(s) of claim 1

_Rush Search Approved Photophotos 30 ja____

****

STAFF USE ONLY

Searcher: _____	
Searcher Phone #: _____	
Searcher Location: _____	
Date Searcher Picked Up: _____	
Date Completed: _____	
Searcher Prep & Review Time: _____	
Online Time: _____	

Type of Search
- _____ NA Sequence (#)
- _____ AA Sequence (#)
- _____ Structure (#)
- _____ Bibliographic
- _____ Litigation
- _____ Fulltext
- _____ Other

Vendors and cost where applicable
- _____ STN _____ Dialog
- _____ Questel/Orbit _____ Lexis/Nexis
- _____ Westlaw _____ WWW/Internet
- _____ In-house sequence systems

__Commercial	___Oligomer	____Score/Length
__Interference	___SPDI	___Encode/Transl
	Other (specify)	

UNITED STATES PATENT AND TRADEMARK OFFICE

CONFIRMATION NO. 9049

Bib Data Sheet

SERIAL NUMBER 10/825,693	FILING DATE 04/16/2004 RULE	CLASS 514	GROUP ART UNIT 1654	ATTORNEY DOCKET NO. CT-2770 NP

APPLICANTS

Fiona McPhee, Wallingford, CT;

Jeffrey Allen Campbell, Glen Gardner, NJ;
Wenying Li, Lawrenceville, NJ;Stanley D'Andrea, Meriden, CT;
Zhizhen Barbara Zheng, Cheshire, CT;
Andrew Charles Good, Wallingford, CT;
David J. Carini, Wallingford, CT;
Barry L. Johnson, Wallingford, CT;
Paul Michael Scola, Glastonbury, CT;

** CONTINUING DATA ***************************
This appln claims benefit of 60/463,423 04/16/2003

** FOREIGN APPLICATIONS ********************

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 09/17/2004

Foreign Priority claimed ☐ yes ☒ no	STATE OR	SHEETS	TOTAL	INDEPENDENT
35 USC 119 (a-d) conditions met ☐ yes ☐ no ☐ Met after Allowance				
Verified and Acknowledged Examiner's Signature Initials	COUNTRY CT	DRAWING 0	CLAIMS 56	CLAIMS 5

ADDRESS
23914
LOUIS J. WILLE
BRISTOL-MYERS SQUIBB COMPANY
PATENT DEPARTMENT
P O BOX 4000
PRINCETON , NJ
08543-4000

TITLE
Macrocyclic isoquinoline peptide inhibitors of Hepatitis C virus

```
=> d que stat l11
L10                STR
A @31     O @33    N @34
```

```
   4           7
   C           C
```
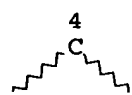
Page 1-A
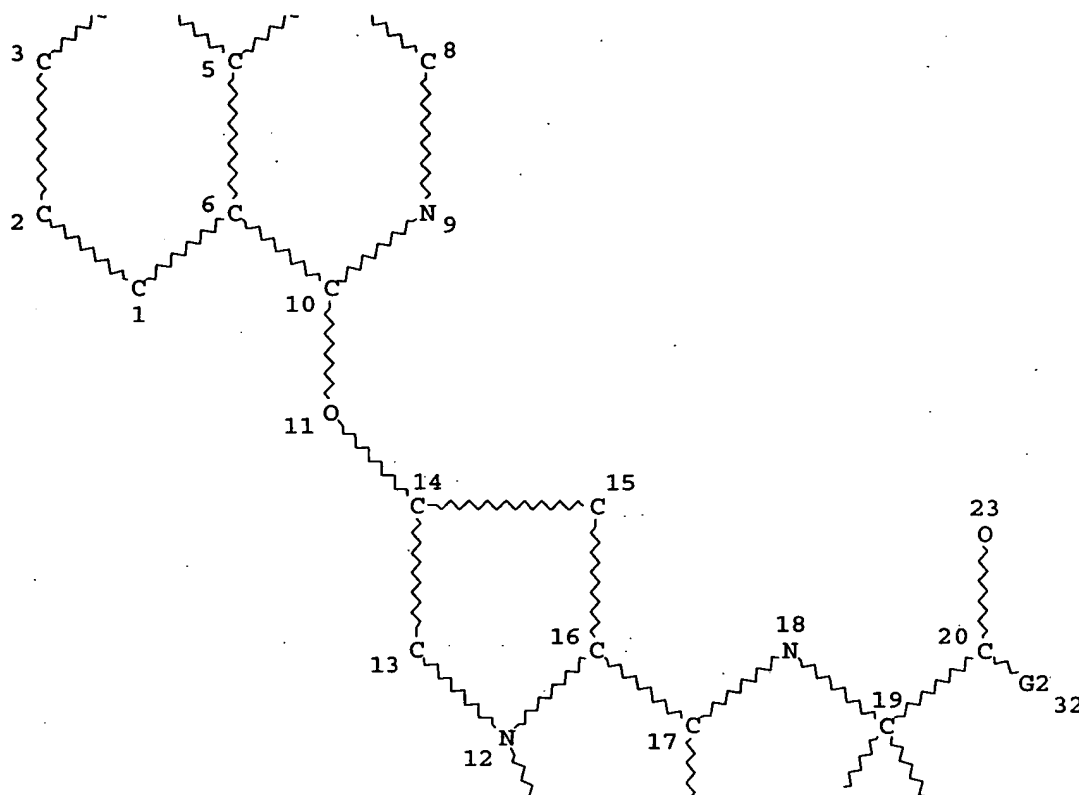
Page 2-A
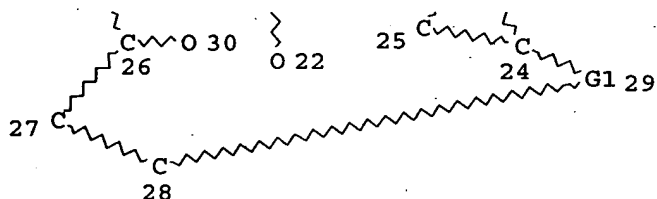
Page 3-A
REP G1=(1-20) 31
VAR G2=33/34
NODE ATTRIBUTES:
NSPEC   IS RC   AT   31
NSPEC   IS RC   AT   33
NSPEC   IS RC   AT   34
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE
L11   11 SEA FILE=REGISTRY SSS SAM L10

100.0% PROCESSED   15 ITERATIONS   11 ANSWERS
SEARCH TIME: 00.00.01

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           68 TO      532
PROJECTED ANSWERS:              22 TO      418
```

(FILE 'HOME' ENTERED AT 16:36:30 ON 30 JAN 2006)

FILE 'STNGUIDE' ENTERED AT 16:36:39 ON 30 JAN 2006

FILE 'ZCAPLUS' ENTERED AT 16:36:44 ON 30 JAN 2006
        E US2004-825693/APPS

FILE 'HCAPLUS' ENTERED AT 16:37:05 ON 30 JAN 2006
L1   1 SEA ABB=ON PLU=ON US2004-825693/APPS
            SAVE TEMP L1 HEA693HCAAPP/A

FILE 'STNGUIDE' ENTERED AT 16:37:21 ON 30 JAN 2006

FILE 'HCAPLUS' ENTERED AT 16:37:38 ON 30 JAN 2006
            D IBIB ED AB IND
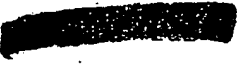
FILE 'STNGUIDE' ENTERED AT 16:37:38 ON 30 JAN 2006

FILE 'WPIX' ENTERED AT 16:38:31 ON 30 JAN 2006
L2   1 SEA ABB=ON PLU=ON US2004-825693/APPS
            SAVE TEMP L2 HEA693WPIAPP/A

FILE 'STNGUIDE' ENTERED AT 16:39:38 ON 30 JAN 2006

FILE 'WPIX' ENTERED AT 16:39:57 ON 30 JAN 2006
            D IALL CODE

FILE 'STNGUIDE' ENTERED AT 16:40:00 ON 30 JAN 2006

FILE 'REGISTRY' ENTERED AT 16:41:14 ON 30 JAN 2006

FILE 'HCAPLUS' ENTERED AT 16:41:19 ON 30 JAN 2006
L3   TRA L1 1- RN :   463 TERMS

FILE 'REGISTRY' ENTERED AT 16:41:21 ON 30 JAN 2006
L4   463 SEA ABB=ON PLU=ON L3
            SAVE TEMP L4 HEA693REGAPP/A

FILE 'STNGUIDE' ENTERED AT 16:41:54 ON 30 JAN 2006

FILE 'LREGISTRY' ENTERED AT 16:44:32 ON 30 JAN 2006
L5   STRUCTURE UPLOADED
L6   STR L5

FILE 'REGISTRY' ENTERED AT 16:47:53 ON 30 JAN 2006
L7   0 SEA SSS SAM L6
            D QUE STAT

FILE 'STNGUIDE' ENTERED AT 16:48:04 ON 30 JAN 2006
```

```
     FILE 'LREGISTRY' ENTERED AT 16:48:56 ON 30 JAN 2006
L8          STR L6

     FILE 'REGISTRY' ENTERED AT 16:49:14 ON 30 JAN 2006
L9          11 SEA SSS SAM L8
               D QUE STAT
               D SCAN

     FILE 'STNGUIDE' ENTERED AT 16:49:36 ON 30 JAN 2006

     FILE 'LREGISTRY' ENTERED AT 16:52:13 ON 30 JAN 2006
L10         STR L8

     FILE 'REGISTRY' ENTERED AT 16:53:11 ON 30 JAN 2006
L11         11 SEA SSS SAM L10
               D QUE STAT
               D SCAN

     FILE 'STNGUIDE' ENTERED AT 16:53:46 ON 30 JAN 2006

     FILE 'LREGISTRY' ENTERED AT 16:54:27 ON 30 JAN 2006
            SAVE TEMP L10 HEA693PSTR1/Q

     FILE 'STNGUIDE' ENTERED AT 16:54:44 ON 30 JAN 2006
            D QUE STAT L11


     FILE HOME

     FILE STNGUIDE
     FILE CONTAINS CURRENT INFORMATION.
     LAST RELOADED: Jan 27, 2006 (20060127/UP).

     FILE ZCAPLUS
```

Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN. Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS is
strictly prohibited.

```
FILE COVERS 1907 - 30 Jan 2006  VOL 144 ISS 6
FILE LAST UPDATED: 29 Jan 2006  (20060129/ED).
```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

```
FILE HCAPLUS
```

Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the

the American Chemical Society and is provided to assist you in searching
databases on STN. Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 30 Jan 2006 VOL 144 ISS 6
FILE LAST UPDATED: 29 Jan 2006 (20060129/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

FILE WPIX
FILE LAST UPDATED: 30 JAN 2006   <20060130/UP>
MOST RECENT DERWENT UPDATE: 200607   <200607/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

 >>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,
     PLEASE VISIT:
  http://www.stn-international.de/training_center/patents/stn_guide.pdf <<<

 >>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
 http://scientific.thomson.com/support/patents/coverage/latestupdates/

 >>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
     GUIDES, PLEASE VISIT:
 http://scientific.thomson.com/support/products/dwpi/

 >>> FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT
     DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX
     FIRST VIEW - FILE WPIFV.
     FOR FURTHER DETAILS:
 http://scientific.thomson.com/support/products/dwpifv/

 >>> THE CPI AND EPI MANUAL CODES WILL BE REVISED FROM UPDATE 200601.
     PLEASE CHECK:
 http://scientific.thomson.com/support/patents/dwpiref/reftools/classificat

 >>> PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE
 http://www.stn-international.de/stndatabases/details/ipc_reform.html   and
 http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf <<<

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2006   HIGHEST RN 872967-60-7
DICTIONARY FILE UPDATES: 29 JAN 2006   HIGHEST RN 872967-60-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

 Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *

```
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE LREGISTRY
LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

=> => d his ful

    (FILE 'HOME' ENTERED AT 08:18:31 ON 31 JAN 2006)

    FILE 'HCAPLUS' ENTERED AT 08:18:39 ON 31 JAN 2006
        ACT HEA693HCAAPP/A

L1   1 SEA ABB=ON PLU=ON US2004-825693/APPS

    FILE 'WPIX' ENTERED AT 08:18:55 ON 31 JAN 2006
        ACT HEA693WPIAPP/A

L2   1 SEA ABB=ON PLU=ON US2004-825693/APPS

    FILE 'STNGUIDE' ENTERED AT 08:19:06 ON 31 JAN 2006

    FILE 'REGISTRY' ENTERED AT 08:19:12 ON 31 JAN 2006
        ACT HEA693REGAPP/A

L3 (1)SEA ABB=ON PLU=ON US2004-825693/APPS
L4   SEL PLU=ON L3 1- RN :   463 TERMS
L5   463 SEA ABB=ON PLU=ON L4

        ACT HEA693PSTR1/Q

L6   STR

L7   11 SEA SSS SAM L6
        D QUE STAT

    FILE 'STNGUIDE' ENTERED AT 08:19:42 ON 31 JAN 2006

    FILE 'REGISTRY' ENTERED AT 08:23:51 ON 31 JAN 2006
        D SCAN

    FILE 'STNGUIDE' ENTERED AT 08:24:09 ON 31 JAN 2006

```
      FILE 'REGISTRY' ENTERED AT 08:26:10 ON 31 JAN 2006
L8          222 SEA SSS FUL L6
                SAVE TEMP L8 HEA693PSET1/A
L9          219 SEA ABB=ON   PLU=ON   L8 AND L5
L10         244 SEA ABB=ON   PLU=ON   L5 NOT L8
                D SCAN


      FILE 'STNGUIDE' ENTERED AT 08:28:33 ON 31 JAN 2006


      FILE 'REGISTRY' ENTERED AT 08:35:09 ON 31 JAN 2006
L11             ANALYZE PLU=ON  L8 1- LC :        3 TERMS
                D


      FILE 'BEILSTEIN' ENTERED AT 08:36:17 ON 31 JAN 2006
L12           0 SEA SSS FUL L6
                SAVE TEMP L12 HEA693BEI1/A


      FILE 'STNGUIDE' ENTERED AT 08:36:53 ON 31 JAN 2006


      FILE 'HCAPLUS' ENTERED AT 08:37:13 ON 31 JAN 2006
L13          26 SEA ABB=ON   PLU=ON   MCPHEE, F?/AU
L14           0 SEA ABB=ON   PLU=ON   MC PHEE, F?/AU
L15        4453 SEA ABB=ON   PLU=ON   CAMPBELL, J?/AU
L16       16688 SEA ABB=ON   PLU=ON   LI, W?/AU
L17           0 SEA ABB=ON   PLU=ON   DANDREA, S?/AU
L18          71 SEA ABB=ON   PLU=ON   D ANDREA, S?/AU
L*** DEL      0 S ZHENG, Z?/UA
L19        3784 SEA ABB=ON   PLU=ON   ZHENG, Z?/AU
L20         180 SEA ABB=ON   PLU=ON   GOOD; A?/AU
L21          86 SEA ABB=ON   PLU=ON   CARINI, D?/AU
L22        4746 SEA ABB=ON   PLU=ON   JOHNSON, B?/AU
L23          34 SEA ABB=ON   PLU=ON   SCOLA, P?/AU
L24           1 SEA ABB=ON   PLU=ON   L8
L25          44 SEA ABB=ON   PLU=ON   (L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR
                L19 OR L20 OR L21 OR L22 OR L23) AND ?ISOQUINOLIN?
L26           5 SEA ABB=ON   PLU=ON · L25 AND ?PEPTID?
                D SCAN


   FILE 'STNGUIDE' ENTERED AT 08:40:06 ON 31 JAN 2006


   FILE 'HCAPLUS' ENTERED AT 08:41:55 ON 31 JAN 2006
                SAVE TEMP L26 HEA693HCAINV/A


   FILE 'STNGUIDE' ENTERED AT 08:42:09 ON 31 JAN 2006


   FILE 'ZCAPLUS' ENTERED AT 08:42:17 ON 31 JAN 2006
L27             QUE ABB=ON   PLU=ON   MCPHEE, F?/AU
L28             QUE ABB=ON   PLU=ON   MC PHEE, F?/AU
L29             QUE ABB=ON   PLU=ON   CAMPBELL, J?/AU
L30             QUE ABB=ON   PLU=ON   LI, W?/AU
L31             QUE ABB=ON   PLU=ON   DANDREA, S?/AU
L32             QUE ABB=ON   PLU=ON   D ANDREA, S?/AU
L33             QUE ABB=ON   PLU=ON   ZHENG, Z?/AU
L34             QUE ABB=ON   PLU=ON   GOOD, A?/AU
L35             QUE ABB=ON   PLU=ON   CARINI, D?/AU
L36             QUE ABB=ON   PLU=ON   JOHNSON, B?/AU
L37             QUE ABB=ON   PLU=ON   SCOLA, P?/AU


   FILE 'STNGUIDE' ENTERED AT 08:43:37 ON 31 JAN 2006
```

```
       FILE 'REGISTRY' ENTERED AT 08:45:50 ON 31 JAN 2006
L38          3 SEA ABB=ON  PLU=ON  L8 NOT L5
             D SCAN
             D L38 LC 1-3


       FILE 'STNGUIDE' ENTERED AT 08:47:01 ON 31 JAN 2006


       FILE 'ZCAPLUS' ENTERED AT 08:47:38 ON 31 JAN 2006
L39          QUE ABB=ON  PLU=ON  ?ISOQUINOLIN? OR (ISO(1W)QUINOLIN?)
L40          QUE ABB=ON  PLU=ON  ?PEPTID? OR ?DIPEPTID? OR ?TRIPEPTID? OR
             ?OLIGOPEPTID? OR ?TETRAPEPTID? OR ?POLYPEPTID? OR (AMINO(1W)ACI
             D)
L41          QUE ABB=ON  PLU=ON  ?CYCLIC? OR ?CYCLO? OR RING
L*** DEL     QUE ?PROTEIN?
L42          QUE ABB=ON  PLU=ON  ?PROTEIN


       FILE 'HCAPLUS' ENTERED AT 08:50:47 ON 31 JAN 2006
L43          QUE ABB=ON  PLU=ON  PEPTIDES+PFT,OLD,NT/CT
L44         83 SEA ABB=ON  PLU=ON  L43 (L) L39
L45        488 SEA ABB=ON  PLU=ON  L39 (10A) L40
L46      19339 SEA ABB=ON  PLU=ON  L40 (10A) (?CYCLIC OR BICYCLIC OR ?CYCLO)
L47         63 SEA ABB=ON  PLU=ON  L45 AND L46
L48          6 SEA ABB=ON  PLU=ON  L47 AND L44
             D SCAN TI HIT


       FILE 'STNGUIDE' ENTERED AT 08:55:22 ON 31 JAN 2006
             D QUE


       FILE 'HCAPLUS' ENTERED AT 08:57:24 ON 31 JAN 2006
L49         33 SEA ABB=ON  PLU=ON  L44 AND L45
L50        973 SEA ABB=ON  PLU=ON  L42(10A)L39
L51          QUE ABB=ON  PLU=ON  PROTEINS+PFT,OLD/CT
L52         33 SEA ABB=ON  PLU=ON  L51 (L) L39


       FILE 'ZCAPLUS' ENTERED AT 08:59:47 ON 31 JAN 2006
L53          QUE ABB=ON  PLU=ON  ?CYCLIC OR ?CYCLO OR ?BICYCL? OR ?MACROCYCL
             ?


       FILE 'HCAPLUS' ENTERED AT 09:00:25 ON 31 JAN 2006
L54       1772 SEA ABB=ON  PLU=ON  L51(L)L53
L55          1 SEA ABB=ON  PLU=ON  L52 AND L54
             D SCAN
L56       9116 SEA ABB=ON  PLU=ON  L43 (L) L53
L57          6 SEA ABB=ON  PLU=ON  L44 AND L56
L58          9 SEA ABB=ON  PLU=ON  L24 OR L48 OR L55 OR L57
             D SCAN TI HIT


       FILE 'STNGUIDE' ENTERED AT 09:02:30 ON 31 JAN 2006


       FILE 'HCAPLUS' ENTERED AT 09:03:10 ON 31 JAN 2006
L59      11974 SEA ABB=ON  PLU=ON  L42(10A)L53
L60        106 SEA ABB=ON  PLU=ON  L50 AND L59
L61       9335 SEA ABB=ON  PLU=ON  L42 (5A) L53
L62        782 SEA ABB=ON  PLU=ON  L42 (7A) L39
L63         81 SEA ABB=ON  PLU=ON  L61 AND L62
L64         27 SEA ABB=ON  PLU=ON  L63 AND ISOQUINOLIN?/OBI
L65         16 SEA ABB=ON  PLU=ON  L64 AND (?CYCLIC/OBI OR ?CYCLO/OBI OR
             ?BICYCL?/OBI OR ?MACROCYCL?/OBI)
             D SCAN TI HIT
```

FILE 'STNGUIDE' ENTERED AT 09:05:54 ON 31 JAN 2006

FILE 'HCAPLUS' ENTERED AT 09:07:15 ON 31 JAN 2006
L66   25 SEA ABB=ON   PLU=ON   L58 OR L65
L67   24 SEA ABB=ON   PLU=ON   L66 AND (AY<2004 OR PY<2004 OR PRY<2004 OR
              MY<2004 OR REVIEW/DT)
              SAVE TEMP L67 HEA693HCA1B/A
L68   1 SEA ABB=ON   PLU=ON   L66 NOT L67
              SAVE TEMP L68 HEA693HCA1A/A

FILE 'STNGUIDE' ENTERED AT 09:08:33 ON 31 JAN 2006

FILE 'MARPAT' ENTERED AT 09:10:46 ON 31 JAN 2006

FILE 'STNGUIDE' ENTERED AT 09:11:02 ON 31 JAN 2006

FILE 'REGISTRY' ENTERED AT 09:11:04 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:12:49 ON 31 JAN 2006
L69   STR L6

FILE 'MARPAT' ENTERED AT 09:13:36 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:14:02 ON 31 JAN 2006
L70   STR L69

FILE 'MARPAT' ENTERED AT 09:14:21 ON 31 JAN 2006

FILE 'STNGUIDE' ENTERED AT 09:14:36 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:14:53 ON 31 JAN 2006
L71   STR L69

FILE 'MARPAT' ENTERED AT 09:15:16 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:15:32 ON 31 JAN 2006
L72   STR L69

FILE 'MARPAT' ENTERED AT 09:15:49 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:15:59 ON 31 JAN 2006
L73   STR L72

FILE 'MARPAT' ENTERED AT 09:16:22 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:16:37 ON 31 JAN 2006
L74   STR L73

FILE 'MARPAT' ENTERED AT 09:17:05 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:17:15 ON 31 JAN 2006
L75   STR L74

FILE 'MARPAT' ENTERED AT 09:17:52 ON 31 JAN 2006

FILE 'LREGISTRY' ENTERED AT 09:18:04 ON 31 JAN 2006
L76   STR L75

FILE 'MARPAT' ENTERED AT 09:18:41 ON 31 JAN 2006

```
      FILE 'STNGUIDE' ENTERED AT 09:18:52 ON 31 JAN 2006
                D QUE STAT L8
                D QUE STAT L12
                D QUE STAT L76


      FILE 'MARPAT' ENTERED AT 09:20:03 ON 31 JAN 2006
                D QUE L75


      FILE 'STNGUIDE' ENTERED AT 09:20:34 ON 31 JAN 2006


      FILE 'USPATFULL, USPAT2' ENTERED AT 09:21:06 ON 31 JAN 2006
L77             1 SEA ABB=ON  PLU=ON  L8
                D BIB
                SAVE TEMP L77 HEA693USP1B/A


      FILE 'STNGUIDE' ENTERED AT 09:21:50 ON 31 JAN 2006


      FILE 'WPIX' ENTERED AT 09:21:53 ON 31 JAN 2006
                D QUE L8
L78             7 SEA SSS SAM L6
L79            72 SEA SSS FUL L6
                SAVE TEMP L79 HEA693WPIS/A


      FILE 'STNGUIDE' ENTERED AT 09:23:20 ON 31 JAN 2006


      FILE 'WPIX' ENTERED AT 09:24:27 ON 31 JAN 2006
L80             1 SEA ABB=ON  PLU=ON  L79/DCR
                SEL L79 SDCN
L81             1 SEA ABB=ON  PLU=ON  (RAG0WL/DCN OR RAG0WR/DCN OR RAG0WS/DCN OR
                RAG0WT/DCN OR RAG0WU/DCN OR RAG0WV/DCN OR RAG0WW/DCN OR
                RAG0WX/DCN OR RAG0WY/DCN OR RAG0WZ/DCN OR RAG0XA/DCN OR
                RAG0XB/DCN OR RAG0XC/DCN OR RAG0XD/DCN OR RAG0XE/DCN OR
                RAG0XG/DCN OR RAG0XM/DCN OR RAG0XN/DCN OR RAG0XO/DCN OR
                RAG0XP/DCN OR RAG0XQ/DCN OR RAG0XR/DCN OR RAG0XS/DCN OR
                RAG0XT/DCN OR RAG0XU/DCN OR RAG0XV/DCN OR RAG0XW/DCN OR
                RAG0XX/DCN OR RAG0XY/DCN OR RAG0XZ/DCN OR RAG0X0/DCN OR
                RAG0X1/DCN OR RAG0X3/DCN OR RAG0X4/DCN OR RAG0X6/DCN OR
                RAG0X7/DCN OR RAG0X8/DCN OR RAG0X9/DCN OR RAG0YG/DCN OR
                RAG0YH/DCN OR RAG0YI/DCN OR RAG0YJ/DCN OR RAG0YK/DCN OR
                RAG0YL/DCN OR RAG0YM/DCN OR RAG0YN/DCN OR RAG0YO/DCN OR
                RAG0YP/DCN OR RAG0YQ/DCN OR RAG0YR/DCN OR RAG0YS/DCN OR
                RAG0YT/DCN OR RAG0YU/DCN OR RAG0YV/DCN OR RAG0YW/DCN OR
                RAG0YX/DCN OR RAG0YY/DCN OR RAG0YZ/DCN OR RAG0Y0/DCN OR
                RAG0Y1/DCN OR RAG0Y2/DCN OR RAG0Y3/DCN OR RAG0Y4/DCN OR
                RAG0Y5/DCN OR RAG0Y6/DCN OR RAG0Y7/DCN OR RAG0Y8/DCN OR
                RAG0Y9/DCN OR RAG0Z0/DCN OR RAG0Z1/DCN OR RAG0Z2/DCN OR
                RAG0Z3/DCN)
L82             1 SEA ABB=ON  PLU=ON  (L80 OR L81)
L83         13482 SEA ABB=ON  PLU=ON  (D631 OR D632)/M0,M1,M2,M3,M4,M5,M6
L84          1192 SEA ABB=ON  PLU=ON  (A61K038-12 OR C07K005-12)/IPC
L85            46 SEA ABB=ON  PLU=ON  L83 AND L84
L86          1139 SEA ABB=ON  PLU=ON  (A61K038-12 OR C07K005-12)/ICM,ICS
L87            41 SEA ABB=ON  PLU=ON  L85 AND L86
                D TRI L85 1-3
L88           112 SEA ABB=ON  PLU=ON  (?ISOQUINOLIN?/BIX OR (ISO/BIX(1W)QUINOLIN?
                /BIX)) (10A) ((?PEPTID?/BIX OR ?DIPEPTID?/BIX OR ?TRIPEPTID?/BI
                X OR ?OLIGOPEPTID?/BIX OR ?TETRAPEPTID?/BIX OR ?POLYPEPTID?/BIX
                OR (AMINO/BIX(1W)ACID/BIX)) OR (?PROTEIN/BIX))
L89           555 SEA ABB=ON  PLU=ON  (?ISOQUINOLIN?/BIX OR (ISO/BIX(1W)QUINOLIN?
                /BIX)) (15A) (?CYCLIC/BIX OR ?CYCLO/BIX OR ?BICYCL?/BIX OR
```

```
                    ?MACROCYCL?/BIX)
L90          3 SEA ABB=ON   PLU=ON   L85 AND L88
                    D TRI 1-3
                    D KWIC 2-3
                    D TRI L85 1-3
L91         46 SEA ABB=ON   PLU=ON   L85 AND (AY<2004 OR PY<2004 OR PRY<2004)
L92          8 SEA ABB=ON   PLU=ON   L91 AND (L88 OR L89)
L93         46 SEA ABB=ON   PLU=ON   L92 OR L91
                    SAVE TEMP L93 HEA693WPI1B/A
L94       5328 SEA ABB=ON   PLU=ON   (L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
                    L33 OR L34 OR L35 OR L36 OR L37)
L95          5 SEA ABB=ON   PLU=ON   L94 AND L84
                    SAVE TEMP L95 HEA693WPIINV/A


        FILE 'STNGUIDE' ENTERED AT 09:53:48 ON 31 JAN 2006


        FILE 'MEDLINE' ENTERED AT 09:54:59 ON 31 JAN 2006
L96      11752 SEA ABB=ON   PLU=ON   (L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
                    L33 OR L34 OR L35 OR L36 OR L37)
L*** DEL    49 S L96 AND (L40 OR L42) (5A) L53
L97         49 SEA ABB=ON   PLU=ON   L96 AND ((L40 OR L42) (5A) L53)
L98          2 SEA ABB=ON   PLU=ON   L97 AND L39
                    D TRI 1-2
L99         39 SEA ABB=ON   PLU=ON   L96 AND L39
L*** DEL     2 S L97 AND L99
L100        39 SEA ABB=ON   PLU=ON   L96 AND L39
L101      2802 SEA ABB=ON   PLU=ON   L96 AND (L40 OR L42)
L102        16 SEA ABB=ON   PLU=ON   L100 AND L101
                    D TRI 1-16
L103         3 SEA ABB=ON   PLU=ON   L102 AND L53
L104         3 SEA ABB=ON   PLU=ON   L98 OR L103
                    D TRI 1-3
                    SAVE TEMP L104 HEA693MEDINV/A
L105     29197 SEA ABB=ON   PLU=ON   ISOQUINOLINES+PFT,OLD,NT/CT
L*** DEL 311063 S (L40 OR L42) (10A) (L40 OR L42)
L*** DEL  1124 S L105 AND L106
L106     34045 SEA ABB=ON   PLU=ON   (L40 OR L42) (7A) L53
L107        82 SEA ABB=ON   PLU=ON   L106 (10A) L39
L108        42 SEA ABB=ON   PLU=ON   L107 AND L105
                    D TRI 1-3


        FILE 'REGISTRY' ENTERED AT 10:02:39 ON 31 JAN 2006


        FILE 'STNGUIDE' ENTERED AT 10:04:01 ON 31 JAN 2006


        FILE 'MEDLINE' ENTERED AT 10:04:18 ON 31 JAN 2006
L109    626742 SEA ABB=ON   PLU=ON   (?PEPTID?/TI,IT,CC,CT,ST,STP OR ?DIPEPTID?/
                    TI,IT,CC,CT,ST,STP OR ?TRIPEPTID?/TI,IT,CC,CT,ST,STP OR
                    ?OLIGOPEPTID?/TI,IT,CC,CT,ST,STP OR ?TETRAPEPTID?/TI,IT,CC,CT,S
                    T,STP OR ?POLYPEPTID?/TI,IT,CC,CT,ST,STP OR (AMINO/TI,IT,CC,CT,
                    ST,STP(1W)ACID/TI,IT,CC,CT,ST,STP)) OR (?PROTEIN/TI,IT,CC,CT,ST
                    ,STP)
L110        30 SEA ABB=ON   PLU=ON   L108 AND L109
L111     32674 SEA ABB=ON   PLU=ON   (L40 OR L42) (5A) L53
L112       102 SEA ABB=ON   PLU=ON   L39 (5A) L53
L113        30 SEA ABB=ON   PLU=ON   L110 AND L111
L114        10 SEA ABB=ON   PLU=ON   L113 AND L112
                    D TRI 1-10
                    D KWIC 1-10
L115        10 SEA ABB=ON   PLU=ON   L114 AND (AY<2004 OR PY<2004 OR PRY<2004
```

```
                 OR MY<2004 OR REVIEW/DT)
                 SAVE TEMP L115 HEA693MED1B/A


       FILE 'STNGUIDE' ENTERED AT 10:07:50 ON 31 JAN 2006


       FILE 'EMBASE' ENTERED AT 10:08:10 ON 31 JAN 2006
L116       8876 SEA ABB=ON  PLU=ON  (L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
                 L33 OR L34 OR L35 OR L36 OR L37)
L117         26 SEA ABB=ON  PLU=ON  L116 AND L39
L118         18 SEA ABB=ON  PLU=ON  L117 AND (L42 OR L40)
                 D TRI 1-18


       FILE 'STNGUIDE' ENTERED AT 10:08:56 ON 31 JAN 2006


       FILE 'EMBASE' ENTERED AT 10:10:14 ON 31 JAN 2006
L119        755 SEA ABB=ON  PLU=ON  (L42 OR L40) (7A) L39
L120          1 SEA ABB=ON  PLU=ON  L118 AND L119
L121          5 SEA ABB=ON  PLU=ON  L118 AND L53
                 D TRI 1-5


       FILE 'STNGUIDE' ENTERED AT 10:11:12 ON 31 JAN 2006


       FILE 'EMBASE' ENTERED AT 10:11:51 ON 31 JAN 2006
                 SAVE TEMP L121 HEA693EMBINV/A
L*** DEL      0 S "ISOQUINOLINE DERIVATIVES"+PFT,OLD,NT/CT
                 E ISOQUINOLINE DERIVATIVE/CT
L122      29815 SEA ABB=ON  PLU=ON  "ISOQUINOLINE DERIVATIVE"+PFT,OLD,NT/CT
L123       3543 SEA ABB=ON  PLU=ON  (?ISOQUINOLIN?/TI,IT,CC,CT,ST,STP OR
                 (ISO/TI,IT,CC,CT,ST,STP(1W)QUINOLIN?/TI,IT,CC,CT,ST,STP))
L124        500 SEA ABB=ON  PLU=ON  L119 AND (L122 OR L123)
L125        114 SEA ABB=ON  PLU=ON  L39 (5A) L53
L126         10 SEA ABB=ON  PLU=ON  L124 AND L125
                 D TRI 1-10


       FILE 'STNGUIDE' ENTERED AT 10:13:55 ON 31 JAN 2006


       FILE 'EMBASE' ENTERED AT 10:14:56 ON 31 JAN 2006
L127         10 SEA ABB=ON  PLU=ON  L126 AND (AY<2004 OR PY<2004 OR PRY<2004
                 OR MY<2004 OR REVIEW/DT)
                 SAVE TEMP L127 HEA693EMB1B/A


       FILE 'STNGUIDE' ENTERED AT 10:15:40 ON 31 JAN 2006


       FILE 'BIOSIS, PASCAL, JICST-EPLUS, CABA, LIFESCI, BIOENG, DRUGU, DRUGB,
       VETU, VETB, BIOTECHDS, BIOTECHNO, SCISEARCH, CONF, CONFSCI, DISSABS'
       ENTERED AT 10:17:26 ON 31 JAN 2006
L128      64876 SEA ABB=ON  PLU=ON  (L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
                 L33 OR L34 OR L35 OR L36 OR L37)
L129         49 SEA ABB=ON  PLU=ON  L128 AND L39
L130         14 SEA ABB=ON  PLU=ON  L129 AND (L40 OR L42)
                 SAVE TEMP L130 HEA693MULINV/A
L131       2513 SEA ABB=ON  PLU=ON  L39/TI,IT,CC,CT,ST,STP AND (L40/TI,IT,CC,CT
                 ,ST,STP OR L42/TI,IT,CC,CT,ST,STP)
L132       1524 SEA ABB=ON  PLU=ON  L39 (5A) (L40 OR L42)
L133        785 SEA ABB=ON  PLU=ON  L39 (7A) L53
L134        482 SEA ABB=ON  PLU=ON  L131 AND L132
L135         25 SEA ABB=ON  PLU=ON  L134 AND L133
L136         25 SEA ABB=ON  PLU=ON  L135 AND (AY<2004 OR PY<2004 OR PRY<2004
                 OR MY<2004 OR REVIEW/DT)
                 SAVE TEMP L136 HEA693MUL1B/A
```

```
    FILE 'STNGUIDE' ENTERED AT 10:33:29 ON 31 JAN 2006.
              D QUE L73

    FILE 'MARPAT' ENTERED AT 10:34:56 ON 31 JAN 2006;

    FILE 'STNGUIDE' ENTERED AT 10:35:10 ON 31 JAN 2006
              D QUE NOS L67
              D QUE L11
              D L11 1-3
              D QUE NOS L77
              D QUE STAT L79
              D QUE NOS L93
              D QUE L115
              D QUE L7
              D QUE L136
```

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, PASCAL, LIFESCI,
    DRUGU, BIOTECHNO, SCISEARCH, CONFSCI, DISSABS' ENTERED AT 10:39:18 ON 31
    JAN 2006
L137   93 DUP REM L67 L77 L93 L115 L127 L136 (23 DUPLICATES REMOVED)
                       ANSWERS '1-24' FROM FILE HCAPLUS
                       ANSWER '25' FROM FILE USPATFULL
                       ANSWERS '26-69' FROM FILE WPIX
                       ANSWERS '70-76' FROM FILE MEDLINE
                       ANSWERS '77-82' FROM FILE EMBASE
                       ANSWERS '83-91' FROM FILE BIOSIS
                       ANSWER '92' FROM FILE CONFSCI
                       ANSWER '93' FROM FILE DISSABS

    FILE 'STNGUIDE' ENTERED AT 10:39:46 ON 31 JAN 2006

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, CONFSCI,
    DISSABS' ENTERED AT 10:40:20 ON 31 JAN 2006
              D IBIB ED AB HITIND HITSTR

    FILE 'STNGUIDE' ENTERED AT 10:40:33 ON 31 JAN 2006

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, CONFSCI,
    DISSABS' ENTERED AT 10:40:42 ON 31 JAN 2006
              D IBIB ED AB HITIND HITSTR 2-24

    FILE 'STNGUIDE' ENTERED AT 10:40:50 ON 31 JAN 2006

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, CONFSCI,
    DISSABS' ENTERED AT 10:41:50 ON 31 JAN 2006
              D IBIB AB HITSTR 25

    FILE 'STNGUIDE' ENTERED AT 10:42:01 ON 31 JAN 2006

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, CONFSCI,
    DISSABS' ENTERED AT 10:42:42 ON 31 JAN 2006
              D IALL ABEQ TECH ABEX 26-69

    FILE 'STNGUIDE' ENTERED AT 10:43:43 ON 31 JAN 2006

    FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, BIOSIS, CONFSCI,
    DISSABS' ENTERED AT 10:44:37 ON 31 JAN 2006
              D IBIB ED AB HITIND 70-

FILE 'STNGUIDE' ENTERED AT 10:44:42 ON 31 JAN 2006
        D QUE NOS L68

FILE 'HCAPLUS' ENTERED AT 10:45:44 ON 31 JAN 2006
        D IBIB ED AB HITIND HITSTR L68

FILE 'STNGUIDE' ENTERED AT 10:45:45 ON 31 JAN 2006
            D QUE L26
            D QUE L95
            D QUE L104
            D QUE L121
            D QUE L130

FILE 'HCAPLUS, WPIX, MEDLINE, EMBASE, BIOSIS, PASCAL, DRUGU, BIOTECHNO,
SCISEARCH, DISSABS' ENTERED AT 10:47:16 ON 31 JAN 2006
L138   25 DUP REM L26 L95 L104 L121 L130 (7 DUPLICATES REMOVED)
                ANSWERS '1-5' FROM FILE HCAPLUS
                ANSWERS '6-9' FROM FILE WPIX
                ANSWERS '10-12' FROM FILE MEDLINE
                ANSWERS '13-16' FROM FILE EMBASE
                ANSWERS '17-21' FROM FILE BIOSIS
                ANSWER '22' FROM FILE DRUGU
                ANSWERS '23-24' FROM FILE BIOTECHNO
                ANSWER '25' FROM FILE DISSABS

FILE 'STNGUIDE' ENTERED AT 10:47:33 ON 31 JAN 2006

FILE 'HCAPLUS, WPIX, MEDLINE, EMBASE, BIOSIS, DRUGU, BIOTECHNO, DISSABS'
ENTERED AT 10:47:47 ON 31 JAN 2006
        D IBIB ED AB L138 1-25

FILE 'STNGUIDE' ENTERED AT 10:47:54 ON 31 JAN 2006

FILE 'STNGUIDE' ENTERED AT 10:48:30 ON 31 JAN 2006

FILE COVERS 1907 - 31 Jan 2006   VOL 144 ISS 6
FILE LAST UPDATED: 30 Jan 2006   (20060130/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE LAST UPDATED: 30 JAN 2006   <20060130/UP>

MOST RECENT DERWENT UPDATE: 200607   <200607/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,
    PLEASE VISIT:
 http://www.stn-international.de/training_center/patents/stn_guide.pdf <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
http://scientific.thomson.com/support/patents/coverage/latestupdates/

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
    GUIDES, PLEASE VISIT:
http://scientific.thomson.com/support/products/dwpi/

>>> FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT
    DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX
    FIRST VIEW - FILE WPIFV.
    FOR FURTHER DETAILS:
http://scientific.thomson.com/support/products/dwpifv/

>>> THE CPI AND EPI MANUAL CODES WILL BE REVISED FROM UPDATE 200601.
    PLEASE CHECK:
http://scientific.thomson.com/support/patents/dwpiref/reftools/classificat

>>> PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE
http://www.stn-international.de/stndatabases/details/ipc_reform.html and
http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf <<<

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jan 27, 2006 (20060127/UP).

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2006   HIGHEST RN 872967-60-7
DICTIONARY FILE UPDATES: 29 JAN 2006   HIGHEST RN 872967-60-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*   *
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of

experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE LAST UPDATED ON JANUARY 17, 2006

FILE COVERS 1771 TO 2005.
 FILE CONTAINS 9,428,406 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in
    separate documents and can not be searched together in one query.
    Reaction data for BEILSTEIN compounds may be displayed
    immediately with the display codes PRE (preparations) and REA
    (reactions). A substance answer set retrieved after the search
    for a chemical name, a compounds with available reaction
    information by combining with PRE/FA, REA/FA or more generally
    with RX/FA. The BEILSTEIN Registry Number (BRN) is the link
    between a BEILSTEIN compound and belonging reactions. For mo
    detailed reaction searches BRNs can be searched as reaction
    partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE   <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.   *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE   *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE   *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.   *
* FOR PRICE INFORMATION SEE HELP COST   *
****
     NEW
* **PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE**
  SEARCHED, SELECTED AND TRANSFERRED.
* **NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES,**
  ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A
  COMPOUND AT A GLANCE.

Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN. Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS is
strictly prohibited.

FILE COVERS 1907 - 31 Jan 2006 VOL 144 ISS 6
FILE LAST UPDATED: 30 Jan 2006 (20060130/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

FILE CONTENT: 1969-PRESENT (VOL 144 ISS 5 (20060127/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1969-1987

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

```
US     6962795 08 NOV 2005
DE 1020040544 17 NOV 2005
EP     1595877 16 NOV 2005
JP 2005328067 24 NOV 2005
WO 2005112644 01 DEC 2005
```

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 26 Jan 2006 (20060126/PD)
FILE LAST UPDATED: 26 Jan 2006 (20060126/ED)
HIGHEST GRANTED PATENT NUMBER: US6990685
HIGHEST APPLICATION PUBLICATION NUMBER: US2006021102
CA INDEXING IS CURRENT THROUGH 26 Jan 2006 (20060126/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 26 Jan 2006 (20060126/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE COVERS 2001 TO PUBLICATION DATE: 31 Jan 2006 (20060131/PD)
FILE LAST UPDATED: 31 Jan 2006 (20060131/ED)
HIGHEST GRANTED PATENT NUMBER: US2005105988
HIGHEST APPLICATION PUBLICATION NUMBER: US2006021100
CA INDEXING IS CURRENT THROUGH 31 Jan 2006 (20060131/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 31 Jan 2006 (20060131/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE LAST UPDATED: 28 JAN 2006 (20060128/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details
on the 2005 reload, enter HELP RLOAD at an arrow promt (=>).
See also:

        http://www.nlm.nih.gov/mesh/
        http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
        http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
        http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

FILE CONTENT: 1969-PRESENT (VOL 144 ISS 5 (20060127/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1969-1987

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

```
US    6962795 08 NOV 2005
DE 1020040544 17 NOV 2005
EP    1595877 16 NOV 2005
JP 2005328067 24 NOV 2005
WO 2005112644 01 DEC 2005
```

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 26 Jan 2006 (20060126/PD)
FILE LAST UPDATED: 26 Jan 2006 (20060126/ED)
HIGHEST GRANTED PATENT NUMBER: US6990685
HIGHEST APPLICATION PUBLICATION NUMBER: US2006021102
CA INDEXING IS CURRENT THROUGH 26 Jan 2006 (20060126/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 26 Jan 2006 (20060126/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE COVERS 2001 TO PUBLICATION DATE: 31 Jan 2006 (20060131/PD)
FILE LAST UPDATED: 31 Jan 2006 (20060131/ED)
HIGHEST GRANTED PATENT NUMBER: US2005105988
HIGHEST APPLICATION PUBLICATION NUMBER: US2006021100
CA INDEXING IS CURRENT THROUGH 31 Jan 2006 (20060131/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 31 Jan 2006 (20060131/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE LAST UPDATED: 28 JAN 2006 (20060128/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details
on the 2005 reload, enter HELP RLOAD at an arrow promt (=>).
See also:

    http://www.nlm.nih.gov/mesh/
    http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
    http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
    http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE ~~[redacted]~~
FILE COVERS 1974 TO 26 Jan 2006 (20060126/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

~~[redacted]~~
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 25 January 2006 (20060125/ED)

~~[redacted]~~
FILE LAST UPDATED: 30 JAN 2006   <20060130/UP>
FILE COVERS 1977 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
    IN THE BASIC INDEX (/BI) FIELD <<<

~~[redacted]~~
FILE COVERS 1985 TO 25 JAN 2006 (20060125/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED
TERM (/CT) THESAURUS RELOAD.

~~[redacted]~~
FILE COVERS 1973 TO 6 Jan 2006 (20060106/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

The CABA file was reloaded 7 December 2003. Enter HELP RLOAD for details.

~~[redacted]~~
FILE COVERS 1978 TO 18 Jan 2006 (20060118/ED)

~~[redacted]~~
FILE LAST UPDATED: 11 JAN 2006   <20060111/UP>
FILE COVERS 1982 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
    THE BASIC INDEX <<<

~~[redacted]~~
FILE LAST UPDATED: 31 JAN 2006   <20060131/UP>
>>>   DERWENT DRUG FILE (SUBSCRIBER) <<<

>>>   FILE COVERS 1983 TO DATE <<<
>>>   THESAURUS AVAILABLE IN /CT <<<

>>> FILE COVERS 1964 TO 1982 - CLOSED FILE <<<

FILE LAST UPDATED: 02 JAN 2002   <20020102/UP>
FILE COVERS 1983-2001

FILE LAST UPDATED: 25 SEP 94   <940925/UP>
FILE COVERS 1968-1982

FILE LAST UPDATED: 26 JAN 2006   <20060126/UP>
FILE COVERS 1982 TO DATE

>>> USE OF THIS FILE IS LIMITED TO BIOTECH SUBSCRIBERS <<<

FILE LAST UPDATED: 7 JAN 2004   <20040107/UP>
FILE COVERS 1980 TO 2003.

>>>   BIOTECHNO IS NO LONGER BEING UPDATED AS OF 2004   <<<

>>>   SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
      /CT AND BASIC INDEX   <<<

FILE COVERS 1974 TO 26 Jan 2006 (20060126/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

FILE LAST UPDATED: 23 DEC 2005   <20051223/UP>
FILE COVERS 1976 TO 2005.

<<< CONF IS NO LONGER BEING UPDATED AS OF JANUARY 2006 >>>

FILE COVERS 1973 TO 25 May 2005 (20050525/ED)

FILE COVERS 1861 TO 26 JAN 2006 (20060126/ED)

=>